

WHAT IS CLAIMED IS:

1. An apparatus for preparing a perforated panel, said apparatus including:
an adhesion unit having a heat source and predetermined shaped mandrel;
a pad secured to said adhesion unit by an applied vacuum;
a reticulation unit having a blower;
a filter located adjacent to said blower;
a dryer adjacent to said filter;
a heater connected to said blower;
a nozzle connected to one end of said heater;
a predetermined shaped contour head, said nozzle secured within said contour head; and
a shroud adjacent to said contour head.
2. The apparatus of claim 1 wherein said heat source having radiant heat from a plurality of electric bulbs.
3. The apparatus of claim 1 wherein said adhesion unit including a table and a cover, said cover capable of being opened and closed relative to said table.
4. The apparatus of claim 3 wherein said heat source is secured to an inside surface of said cover.
5. The apparatus of claim 3 wherein said table having at least one orifice or channel therein, said orifice used to apply said vacuum.
6. The apparatus of claim 5 wherein said pad is made of a rubber material, said pad overlaps said orifice, said pad holds the panel on said mandrel by said applied vacuum.
7. The apparatus of claim 6 wherein said pad applies a predetermined pressure to the panel over said mandrel.

8. The apparatus of claim 1 wherein said shroud includes a glass cover therein, said shroud contains heat and creates a greenhouse like effect.
9. The apparatus of claim 1 wherein said contour head is made of a rubber material.
10. The apparatus of claim 8 wherein said shroud is moveable with respect to said contour head.
11. A method of reticulating a film adhesive onto a perforated panel, said method including the steps of:
- supporting the perforated panel;
 - adhering the film adhesive to the perforated panel without initiating a cure of the film adhesive;
 - applying a vacuum to the film adhesive;
 - softening of the film adhesive;
 - moving the perforated panel at a predetermined speed through a reticulation unit; and
 - removing the film adhesive from the perforations by an airflow.
12. The method of claim 11 wherein said step of supporting prevents distortion of the panel.
13. The method of claim 11 wherein said step of adhering further includes the step of heating the film adhesive.
14. The method of claim 13 further including the step of using a radiant heat source for said heating at a predetermined temperature and for a predetermined amount of time.

15. The method of claim 11 wherein said step of applying a vacuum to said film adhesive creates a mild pressure between the film adhesive and the panel thus allowing for initial adhesion.

16. The method of claim 11 further including the step of placing said airflow directly on the perforated panel.

17. The method of claim 11 further including the step of drying said airflow.

18. The method of claim 11 further including the step of filtering said airflow.

19. The method of claim 11 further including the step of heating said airflow.

20. The method of claim 11 wherein said step of softening includes the step of containing heat near the film adhesive by a shroud and creating a greenhouse effect by said shroud.

21. The method of claim 11 wherein said step of removing includes the step of controlling the rate of airflow such that the heated film adhesive is cut away from the perforations and forms a reticulated pattern.

22. The method of claim 11 wherein said step of softening occurs prior to movement of the panel over said airflow.

23. A method for panel and film adhesive reticulation, said method including the steps of:

supporting the panel with a contoured surface;

applying mild pressure to the film adhesive and panel by a vacuum mechanism;

heating the film adhesive with a low grade heat until initial adhering of the film adhesive without curing;

moving the panel, with initial film adhesion, through a reticulation unit, said reticulation unit including a contour head having a nozzle therein for directing an airflow and said reticulation unit having a shroud, the panel in contact with said contour head;

softening the film adhesive with heat, said heat is contained within said shroud;

drying said airflow;

filtering said airflow;

heating said airflow prior to entering said nozzle; and

removing said film adhesive from the perforations of the panel with a predetermined rate of said airflow.

24. The product of said method according to claim 23.